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REQUEST FOR PROPOSALS

Part 1. Design of Granular Activated Carbon (GAC) Addition for Cranberry Water Treatment Plant

Part 2. Feasibility Study for the Construction of Screened Intakes for The Cranberry Water Treatment Plant

Project No. A-965

October, 2016

I. BACKGROUND

- a. The City of Westminster owns and operates the Cranberry Water Plant, a 2.75 MGD Micro Filtration Membrane Plant with conventional pre-treatment consisting of aeration with the addition of sodium permanganate for oxidation, lime or caustic soda for pH adjustment and ACH for coagulation, followed by sedimentation. Due to the increasingly stringent chlorine disinfection by-products regulations and the prevalence of taste and odor causing compounds found in surface water, the addition of GAC, post filtration, is the next step in assuring the delivery of a safe and pleasant tasting product to our customers.
- b. Due to recent requirements by The Maryland Department of the Environment for the use of 1 millimeter Screened Intakes at the Water Treatment Plant, a Feasibility Study is necessary to determine the scope and estimated costs for their design and construction. The City has five potential sites that may require screening, one at the main plant, three at the Raw Reservoir, and one in Hull Creek.

II. SCOPE OF WORK

Part 1. General scope of work for this project includes engineering and design of the complete GAC system addition to the treatment plant.

Part 2. General scope of work for the part 2 includes identifying which sites require screening and the costs associated with the project.

The study requirements are:

1. Identify which sites require screening.
2. Identify environmental impacts associated with construction of each intake.
3. Determine the feasibility of constructing a working screen at each site.

4. Estimate costs for engineering and construction of required intake modifications.

Proposals shall contain:

1. A letter of interest.
2. Detailed work breakdown for each part and each phase of Engineering Services that includes tasks and hours for each task, hourly rates (includes salary and overhead for each staff category), subtotal cost of each phase and total price of the Proposal, preliminary schedule of design work.
3. Firm's previous work experience on similar projects giving consideration to project location, cost, references and contact information.
4. Resumes of the staff assigned to the project and their previous work experience on similar projects.
5. Firms need to be a State of Maryland registered Mechanical/Electrical/Environmental Engineer capable of stamping/sealing drawings in the State of Maryland. Statement of this shall be included into the RFP.
6. The firm must have at least 10 years of experience of work on the projects similar to those described in RFP. Statement of this is required to be included into RFP.

The mandatory pre-proposal meeting is scheduled at 10 am, October 18 at the City Cranberry Water Treatment Plant (401 Lucabaugh Mill Road, Westminster MD 21157)

Proposals, in an original and two copies, shall be submitted by 2 p.m. November 15, 2016

To : **Project No. A-965**
City of Westminster
Department of Public Works
56 West Main Street
Westminster, MD 21157